Introduction

Congratulations on your choice of WizCom's state-of-the-art *Reading Pen*™!

Now you can scan a wide variety of printed German texts and have the words you scanned read quickly aloud to you or look up their dictionary definitions from the *Duden Deutsches Universalwörterbuch*.

For easy reading, use the Pen to scan entire lines of text, hear the lines read aloud, view selected words in a large-type image, view the syllable breaks, spell out the words aloud, view the dictionary definitions of the words and read out the definitions aloud. The *Reading Pen* also enables you to select a word from within the definition and look that word up in the dictionary.

The Pen reads out through its built-in speaker or through the earphones included in the package. You can adjust the volume, pitch and speed of the reading voice to suit your specific needs. (***IMPORTANT****: please lower the volume control before using the earphones to prevent ear irritation).*

The *Reading Pen* offers you a wealth of opportunities for making reading a more enjoyable and satisfying experience.

Contact Information

If you have any questions about this product or how to use it, please feel free to contact us:

- Tel.: +49 (0) 6181 / 94 36 39 – 0
- Fax.: +49 (0) 6181 / 94 36 3 – 20
- E-mail: support@wizcom.de
- Website: www.wizcom.de

Conventions

The following conventions are used in this manual:

- The names of the Pen menus and menu options are displayed in bold type (e.g., the **Information** option in the **Reading Pen Menu**).
- In the instructions, the word “select” means “scroll to … and then press ENT”. For instance, “Select **Information**” means to press the ▲ and ▼ to scroll to **Information**, then press ENT.
- The procedures in this manual are accompanied with graphic icons of the buttons you need to press (for example, “Press ENT” means you should press on the bottom left button of the Pen)

Copyrights

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Getting Started

Package Contents

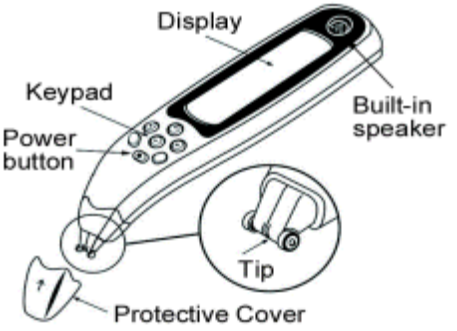
Before using your Pen, take time to check the package contents to make sure that you have received all the following items. If anything is missing, please contact your *Reading Pen* dealer.

- Scanning Device (Pen)
- Pen case with Opticard sticker on the bottom
- Two AAA batteries
- Earphones with Volume control
  *(**IMPORTANT**: please lower the volume control before using the earphones to prevent ear irritation)*
- Operation Manual
- Getting Started
- Easy Steps to Successful Scanning

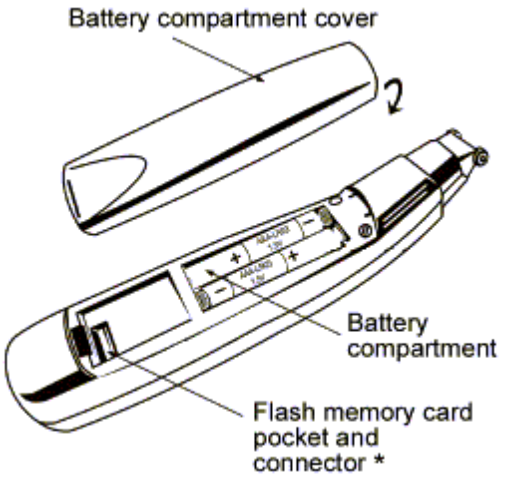
Familiarizing Yourself with the Pen

Your scanning Pen contains the following parts:

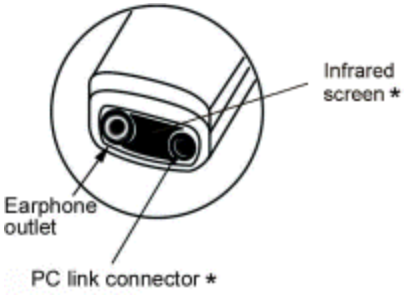
- Tip
- Protective cover
- Power button
- Keypad
- Display
- Built-in speaker



- Battery compartment cover
- Battery compartment
- Flash memory card pocket and connector



- Earphone outlet
- PC link connector (*only used with upgraded Pens)
- Infrared screen (*only used with upgraded Pens)



Setting up Your Pen

Please refer to the **Getting Started** insert in the *Reading Pen* package and perform the provided steps.

The Pen Buttons

The keypad contains seven buttons for operating your Pen:

- The red button is used to turn the Pen on and off.
- The ENT button is the Enter button used in a way similar to the Enter key on a computer keyboard.
- The ESC button is the Escape button used in a way similar to the Esc key on a computer keyboard.
- The arrow buttons ◄, ►, ▲ and ▼ which are used in a way similar to the arrow keys on a computer keyboard.

Pressing the Pen Buttons
Press the Pen buttons as explained in the various procedures of this manual. The procedures in this manual are accompanied with graphic icons of the buttons you need to press (for example, "Press (ENT)") and instructions on how to press them.

There are a few ways in which to press the buttons.

> *Note: not all types of presses are functional in all procedures. In the procedures of this manual you will be instructed as to the functions each press will perform.*

Here are the types of presses, which are used:

Regular Press

A single short press of the button. In this manual, when you are instructed to "Press" a button – it means you should perform this Regular Press.

Double-Click

To double-click a button, press the button twice in rapid succession. For instructions on how to configure the double-click interval, see page 42.

Long-Press

To long-press a button, press the button and hold it down briefly. For instructions on how to adjust the duration of the long press, see page 42.

Navigating using the Pen Buttons

To enter a sub menu or select a menu option or list entry:

1. Scroll through the menu or list, using ▲ and ▼, until the item you want is highlighted.
2. Press ENT.

To select or deselect a toggle option from the **Options** menu:

1. Use the arrow keys to scroll to the option. The option is highlighted.
2. Press ENT.
3. If it is a check option (for example **Auto Speak**), the check sign ✓ at the left side of the option means the option is activated, whereas no check mark means the option is not activated.

To navigate between menus:

1. To return to the previous menu level from a sub-menu, option or list, press ESC.

Closing messages or dialogs

Some messages (e.g., error messages) or dialogs (e.g., the **Input Screen**) display “buttons” on the screen.

Press ENT to activate a highlighted button (i.e., the button displayed in inverse text). If the button is not highlighted, use ◄, ►, ▲ and ▼ to scroll to the desired button, thus highlighting it, and then press ENT.

Scanning Limitations

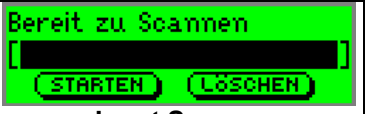
The Pen allows you to scan printed text 6-22 points in size (up to 8mm) in a wide variety of fonts and in all colors on contrasting backgrounds except:

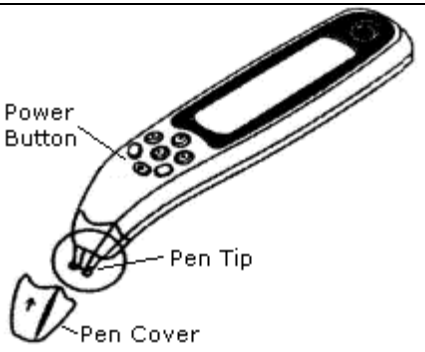
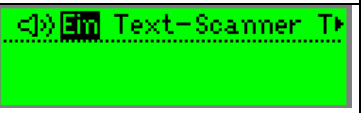
- Red on white
- White on red
- Blue on black
- Black on blue

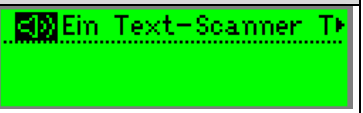
Learning to Scan

Following are **Easy Steps to Successful Scanning** which will take you step by step through the process of scanning text into the Pen. These steps are also provided as a separate insert in your *Reading Pen* package.

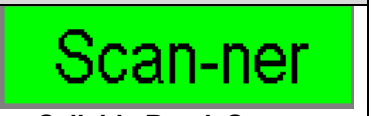
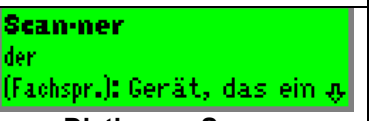
Note: the instructions are according to a Pen set with the original default settings.

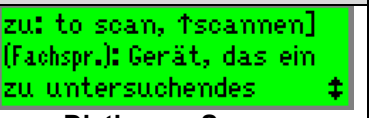
Step 1: Scan	**The Pen Display will show:**
Remove the protective cover from the Pen & press the power button to turn the Pen on.	 **Input Screen**

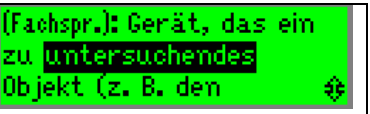
	
Scan the following sentence (see how to scan, in **Getting Started** insert): Ein Text-Scanner Test Note: You can set the Pen for either left or right-handed users (see step 5 for **Adjusting Left-Handed Usage**).	 **Word Selection Screen**

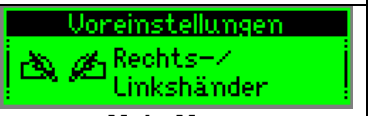
Step 2: The Word Selection Screen	**The Pen Display will show:**
○ Press ◀ to highlight the speaker icon. The whole sentence will be spoken out, highlighting each word as it is spoken. ○ Press ENT to read the sentence again.	 **Word Selection Screen**
Press ▶ to move along the sentence word by word. Each word is highlighted and spoken out.	 **Word Selection Screen**
Press ▼ to view the definition of the highlighted word in the bottom part of the screen.	 **Word Selection Screen**

Press ENT to view the highlighted word in the **Large-Type Screen**.	**Large-Type Screen**

Step 3: The Large-Type Screen	**The Pen Display will show:**
○ Press ▲ to view the syllable break of the word (when available). ○ Press ENT to hear the word spoken out.	 **Syllable Break Screen**
○ Press ► to hear the word spelled out. Each letter is highlighted as it is spoken. ○ Press ENT to hear the word spoken out.	**Large-Type Screen**
Press ▼ to access the dictionary entry in the **Dictionary Screen**.	 **Dictionary Screen**

Step 4: The Dictionary Screen	**The Pen Display will show:**
○ Use ▲ and ▼ to scroll through the definition. ○ Use ◄ and ► to expand and reduce the display of the definition, thus revealing and hiding parts of the definition. A hollow or solid black scroll arrow denotes reduced or expanded display.	 **Dictionary Screen (expanded)**

Press ENT to enter the highlight mode. Now, when in highlight mode: ○ Use ◄, ►, ▲ and ▼ to scroll through the words of the definition. Each word is highlighted as it is spoken. ○ Long press the ENT to speak out the current section word by word. Each word is highlighted as it is spoken. At the end, the highlight moves to the next section. ○ When a word is highlighted, you may press ENT to view its definition (thus jumping to the definition of the highlighted word).	 **Highlight Mode in the Dictionary Screen** **Large-Type Screen** (after jumping from the highlighted word – to its definition)

Step 5: Adjusting Left-Handed Usage	**The Pen Display will show:**
1. Press ESC (as many times as necessary) till you reach the **Main Menu**. 2. Press ▼ till **Preferences** is highlighted: Note: If you accidentally Long press ESC you will reach a higher level of the Pen Main Menu. To return to the Reading Pen, select the **Reading Pen** option and press ENT.	 **Main Menu**
Press ENT and then press ▼.	 **Main Menu**

Press ENT. ○ To set the Pen for Left-Handed users, press ENT. ○ To set the Pen for Right-Handed users, press ▼ and then press ENT.	 **Main Menu**

Pen Basics

Input Screen

When you turn the Pen on, the **Input Screen** appears. You can start scanning in the word or words you want to read.

Input Screen

If you scanned one word only, the word you scanned appears in large type. If you scanned more than one word (e.g., a line):

- If the **Line Display First** option (in the **Options** menu) is on (i.e., checked) then the words you scanned will appear in the top area of the **Word Selection Screen**.

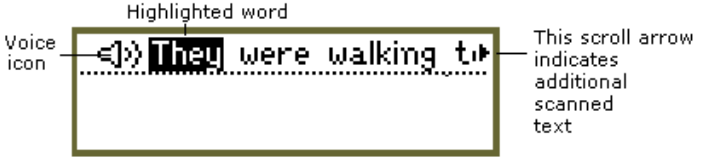
  Note: the default setting for this option is ON.

- If the **Line Display First** option (in the **Options** menu) is off (i.e., not checked) then the first word scanned will appear in the **Large-Type Screen**. Pressing (ESC) will bring you to the **Word Selection Screen**, while all the words you scanned will appear in the top area.

Word Selection Screen

The **Word Selection Screen** appears after scanning more than one word (and if the **Line Display First** option is on, see page 38), or when you press (ESC) from the **Large-Type Screen** - after having scanned more than one word.

This screen enables you to select the word you want to hear or define and to hear the entire line read aloud.

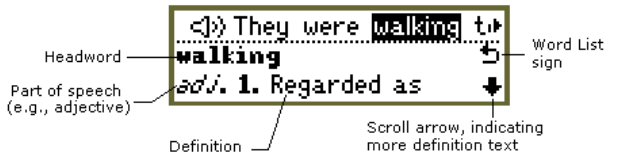


Word Selection Screen

The upper section of the **Word Selection Screen** displays the scanned text in its entirety. Scroll through the text using (◄) or (►). A right scroll arrow at the end of the text (▸) indicates that you can scroll right to view its continuation. Similarly, when you scroll right, a left scroll arrow indicates that you can scroll left to view the previous section of the text. When a word is highlighted you can:

Display the Word in Large Type
Press (ENT) to display the highlighted word in large type. Once the **Large-Type Screen** appears, you can perform any of the **Large-Type Screen** functions for the selected word (see page 19).

Display the Definition
Press (▼) to display the definition of the highlighted word* in the lower half of the **Word Selection Screen**. Scroll through the definition using (▲) and (▼). The arrows in the lower right of the screen indicate in which direction you can scroll to view more of the definition.



Word Selection Screen with definition displayed

**Notes:*

- *If the highlighted word is an inflection or derivative of a dictionary entry, the corresponding dictionary entry appears.*
- *If the highlighted word is the first word in an idiom (which has been scanned in full) the idiom and its definition appear.*

- *At times, the highlighted word is the first word of a multi-word heading, in which case the definition of the heading will be displayed.*
- *If the highlighted word is a compound, see Scanning Compounds, on p. 31.*
- *If the highlighted word is the second part of a split verb, see Scanning Split Verbs, on p. 28.*
- *In all these cases, the Word List (see p. 25) will display additional headwords.*

Continue Scanning
You can scan again while in the **Word Selection Screen**. The current text is overwritten.

Return to Input Screen
Press ESC to return to the **Input Screen**.

Read out the scanned line
The Voice icon appears to the left of the line of scanned text. When this icon is selected, the entire line of text in the upper screen is read out aloud.

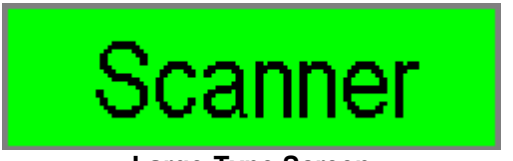
1. Press ◀ to scroll to the Voice icon to hear the entire line read aloud. If the **Highlight Spoken Words** option (see page 36) is on, each word is highlighted as it is spoken.
2. Press ENT to hear the line read aloud again.

3. Press ESC to abort the line reading.

Pronounce each word
When the **Auto Speak** option is activated (see page 36), the Pen pronounces each word in the upper section of the screen as you scroll to it and highlight it.

Large-Type Screen

The **Large-Type Screen** displays a single word in large type. It appears after you scan in one word, when you scan in more than one word – and the **Line Display First** option is off (see page 38), or when in the **Word Selection Screen** you highlighted a word and pressed ENT.



Large-Type Screen

When the **Large-Type Screen** is displayed, you can perform the following functions:

Read the Word Aloud
Press ENT to read the word aloud.

Note*: when the **Auto Speak** option is on (see page 36), the Pen automatically reads the word aloud after displaying it in the **Large-Type Screen**.*

Spell the Word Aloud
Press ▶ to hear the word spelled out aloud. Each letter is highlighted as it is spoken.

View the Syllable Breaks of the Word
Press ▲ to view the **Syllable Break Screen**, displaying the word broken into syllables (if available), in a large type font.

Display the Definition
Press ▼ to display the definition of the word. This is the **Dictionary Screen** (see page 20).

Select a Different Word from the Line of Text
If you have scanned more than one word, press ESC to display the **Word Selection Screen** (see page 16). This screen displays all the text you scanned so that you can select a different word to view in large type and hear it read aloud.

Return to Input Screen
If you have scanned in only one word, press ESC to display the **Input Screen**. If you have scanned in more than one word, press ESC again.

> *Note: you may also scan new text when in **the Dictionary Screen**.*

Dictionary Screen

The **Dictionary Screen** displays the definitions of the word you scanned.
If the scanned word is not a dictionary entry, but a derivative , inflection or variant form of one, then

the corresponding dictionary entry appears.

Dictionary Screen
(displaying corresponding dictionary entry)

*Note: you may also scan new text when in the **Dictionary Screen**. There is no need to return to the **Input Screen**.*

Displaying the Dictionary Screen
To display the **Dictionary Screen** and view definitions, press ▼ from the **Large-Type Screen**. If you have scanned a line of text and are in the **Word Selection Screen**, the method of displaying the definition of the selected word is explained in the section *Word Selection Screen* on page 16.

Viewing definitions in the Dictionary Screen
The **Dictionary Screen** allows you to scroll up and down so that you can view an entire definition quickly. You can determine whether the screen scrolls one, two or three lines at a time by changing the number at the left side of the **Line(s) per scroll** option in the **Options** menu (see page 38).

The Highlight Mode
Press ENT in the **Dictionary Screen** to activate the highlight mode. The highlight mode will highlight the first word that can be spoken – from the current display.

The highlight mode enables you to:

Hear the definition (see *Speak by Section*)
Read aloud single words in the definition (see *Pronounce a word in a definition*)
Look up the meaning of a word in the definition (see *Define a word in a definition*).

Speak by Section

To hear a section of a word's definitions read aloud:

1. The **Speak by Section** option (see page 36) must be on.
2. In the **Dictionary Screen**, scroll to the section you want to read out and press ENT to activate the highlight mode.
3. Long-Press ENT to hear the section read aloud.
4. Press ESC to abort the reading.
5. If the **Highlight Spoken Words** option is on (see page 36), the words are highlighted as they are spoken and the screen progresses to display the highlighted word. If **Highlight Spoken Words** is off, the words are not highlighted and the screen does not progress as the section is read out.

Pronounce a word in a definition

To read aloud single words in a definition:

1. In the **Dictionary Screen**, scroll till the word you want to pronounce is on the screen, and press ENT to activate the highlight mode.
2. Highlight the specific word you want to pronounce by using ◄, ►, ▲ or ▼.
3. Long-Press ENT to hear the highlighted word read aloud.

4. To deactivate highlight mode, press ESC.

Define a word in a definition

To look up the meaning of any word in the definition:

1. In the **Dictionary Screen**, scroll till the word you want to define is on the screen, and press ENT to activate the highlight mode.
2. Highlight the specific word you want to define by using ◄, ►, ▲ or ▼.
3. Press ENT. The **Large-Type Screen** displays the word.
4. Press ENT to hear the word read aloud, or press ▼ to view the definition of the word in the **Dictionary Screen**.
5. To return to the original word, press ESC. The **History** appears displaying the words you viewed most recently (see page 34).
6. Scroll up through the list until the original word is highlighted.
7. Press ENT. The original word appears in the **Large-Type Screen**.

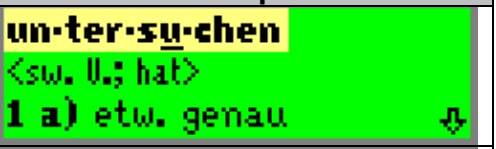
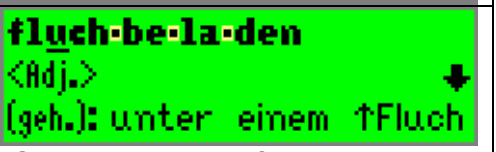
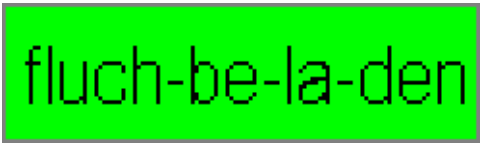
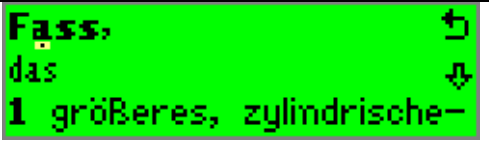
Exiting the Dictionary Screen

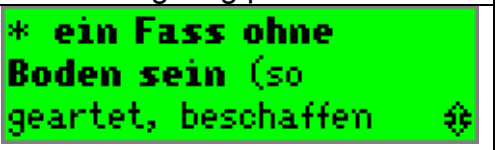
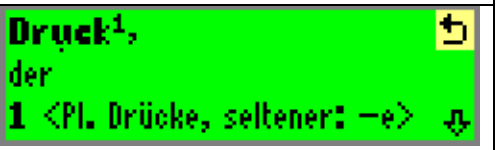
Pressing ESC from the **Dictionary Screen** will:

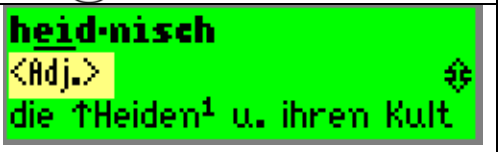
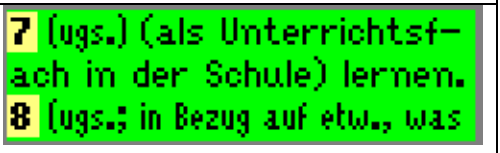
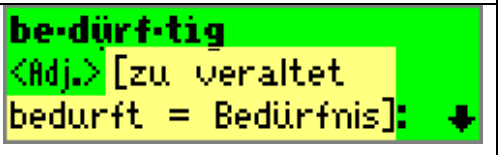
- Display the **Input Screen**, if you scanned a single word.
- Display the **Word Selection Screen**, if you scanned a line of text.

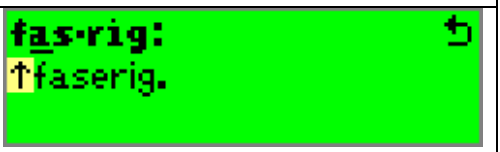
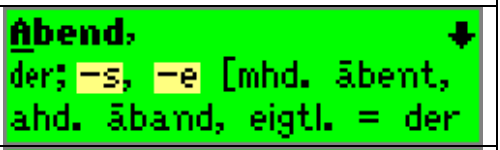
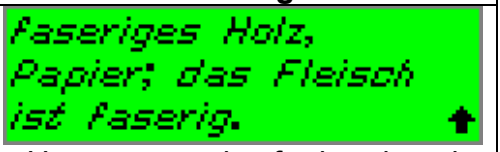
Dictionary Entries

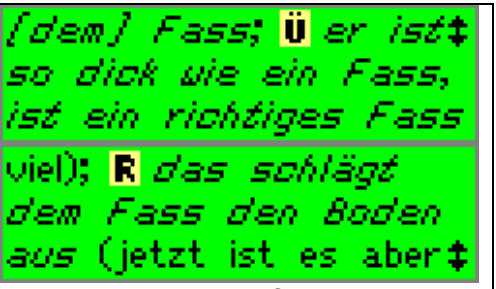
The dictionary entries displayed in the **Dictionary Screen** and in the **Word Selection Screen** contain various elements, as applicable. Here are the main ones:

Entry Element	Example
Headword The headword of the dictionary entry	
Syllable Breaks In the Dictionary Screen, the dots in the middle of the headword denote the syllable breaks. Pressing Ⓐ from the Large-Type Screen will also display the syllable breaks of the headword.	 Syllable breaks of the headword **fluchbeladen** in the Dictionary Screen  Syllable breaks of the headword **fluchbeladen** in the Syllable Break Screen
Length of Syllable pronunciation The Dot and Underscore denote special lengths for syllable pronunciation. The dot denotes a *shorter* pronunciation than other syllables and the underscore denotes a *longer*	 Dot Denoting short pronunciation Underscore

pronunciation.	Denoting long pronunciation
Idioms Expressions which include the Headword.	
Homonym The Homonym number denotes two or more identical headwords with separate meanings. Each meaning is a separate entry with its own number. Additional homonyms appear in the **Word List**.	
Word List The Word List sign appears to the right of the headword denoting that there is a backlist (the Word List) containing additional headwords whose definitions may be accessed. A Word List will appear when: • The scanned word is a compound • The scanned word is part of an idiom. • The scanned	 Word List for headword **Druck** How to use the word list: 1. From the **Dictionary Screen** (when it displays the Word List sign), press (ESC). 2. Scroll to the entry whose

word is a multi-word heading The scanned word is a possible part of a split verb If the scanned word is a derivative of more than one headword The scanned word is a homonym	definition you wish to view and press (ENT). The definition is displayed in the Dictionary Screen (unless you selected the option "GETRENNTES VERB", in which case the screen allowing to scan the 1st part of the split verb will appear, see Scanning Split Verbs). 3. To return to the Word List, press (ESC) again. 4. To exit the list without making a selection press (ESC)
Part of Speech The dictionary entry is divided into sections for each part of speech (verb, noun, adjective, etc.)	
Definitions Within each part of speech are various meanings, the first one being the core sense.	
Etymology The origin of the headword. *Note: Etymology is visible only if the display is not reduced (see*	

Reduced Display, p. 36)	
Labels Usage in a specific field, such as mathematics or law	
Cross References An arrow pointing up on the left side of a word in the definition denotes that a cross reference to another headword (see *Define a word in a definition* p. 23, to learn how to jump to the definition of the cross referenced word).	
Inflected Forms* Variations of the Headword.	
Alternate Spelling* An alternate spelling for the headword.	 Alternate spelling for headword **faserig**
Usage Examples* A sentence demonstrating the usage of the headword.	 Usage examples for headword **faserig**

	 Usage Examples for headword **Fass**

* When the **Reduced Display** mode is deactivated, additional elements are displayed, e.g., Usage Examples. For instructions on turning the reduced display on and off, see page 36.

When can you scan in text

When ever a blinking cursor appears on the screen – you can scan in text. Specifically you can scan in text when in the Input Screen, the Word Selection Screen, the Dictionary Screen (when displaying a definition), the Large-Type Screen and the Syllable Break Screen.

Scanning Split Verbs

There are two cases when scanning split verbs. The first case is when the scanned text includes both parts of the split verb, the second case - when not.

- **Case 1:** When scanning a line which includes *both parts* of a split verb - the suggested definition for the word which is the root of the verb (usually appearing first in the sentence) will be the definition of the two *conjoined* parts.

  Example - when line includes *both parts*:

  1. Scan a line that contains *both parts* of a split verb, for example:

     Er betet seine Frau an

  2. In the Word Selection Screen press ⓡ till the word **betet** is highlighted.
  3. Now press ⓓ to reveal the definition of the highlighted word in the lower part of the screen.

  Definition of *conjoined* split verb is displayed

- **Case 2:** When scanning a line containing *only the root* of a split verb (and not the addition to it), then if the root exists as a separate headword in the Duden dictionary - you will initially get the definition of the root itself – but in the **Word List** you will find a special option “GETRENNTES VERB”. Selecting this option will allow you to scan in the addition to the root verb (from the continuation of the sentence).

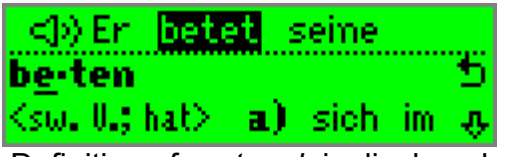
Important: *When the root does NOT exist separately in the Duden dictionary – the screen prompting to scan the addition (see screen in following example) appears immediately*.

Example - when text includes *only second part*:

1. Scan the first line of the following example text:

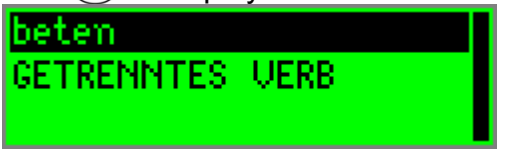
   Er betet seine
   Frau an

2. In the Word Selection Screen press ▶ till the word **betet** is highlighted.
3. Now press ▼ to reveal the definition of the highlighted word in the lower part of the screen.

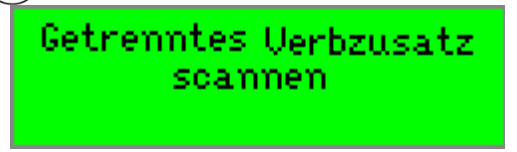


Definition of *root verb* is displayed

4. If you now wish to scan in the addition to the root verb, do the following:
   a. Press ENT to display the Large-Type Screen.
   b. Press ▼ to display the Dictionary Screen of the root verb - **beten**.
   c. Press ESC to display the Word List.

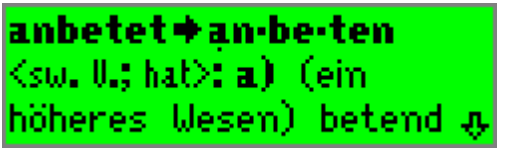


d. Press ▼ to select the option "GETRENNTES VERB" and press ENT to activate it.



Screen prompting to scan the addition

e. Now scan the additional part of the split verb, i.e. the word **an** in the second line of the example text above.
f. The Large-Type Screen will display **anbetet**.
g. Press ▼ to display the Dictionary Screen.



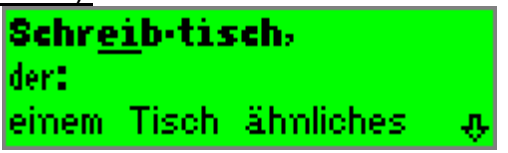
Definition of *conjoined split verb* is displayed

Scanning Compounds

There are two separate cases of scanning compounds. The first is when the scanned compound appears as a headword in the Duden dictionary, the second when not.

- **Case 1:** When scanning a compound which *is included* as a Headword in the Duden dictionary, the definition of the compound will be given.

Example (when scanned compound *exists as headword*):



Definition of *compound* is displayed

- **Case 2:** When scanning a compound which *is not included* in the dictionary as a separate headword – the definition of one part of the compound will be given initially and the definition of the other part can be accessed separately through the Word List.

Example (when scanned compound *does not exist* as headword):

1. Scan the following compound:

kindertisch

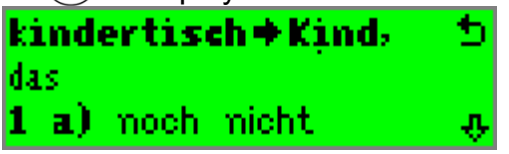
Definition of compound *part* is displayed

2. Press (ESC) to display the Word List.

Word List displays both parts of compound

3. Press (▼) to select **Kind** (the other part of the compound).

4. Press (ENT) to display its definition.



Definition of compound *part* is displayed

Main Menu

The **Main Menu** contains five menu options: **Scanned Words, Guides & Glossaries, Options, Preferences,** and **Information.** To display the **Main Menu**, press (ESC) from the **Input Screen**. To return to the **Input Screen** from the **Main Menu**, press (ESC) again.

> *Note: the Pen also contains a higher level Main Menu that is not used unless your Pen has been upgraded, and it is therefore not accessible through any menu option. If by mistake you pressed a very long press on (ESC) – this menu will be revealed. To return to the **Input Screen**, simply select the **Reading Pen** option or turn the Pen off and on again.*

Scanned Words

The **Scanned Words** menu contains a series of dictionary tools:

History
This option displays a chronological list of the most recently displayed words, with the last word you defined at the top of the list. To select one of these words and view its definition:

1. Select **Scanned Words** and then select **History**.
2. Scroll through the list to the word you want. You can scroll up to the end of the list. Long-press to scroll through the list more quickly.
3. Press ENT. The word appears in the **Large-Type Screen**.
4. From the **Large-Type Screen**, press ▼ to view the definitions for the word.
5. Press ESC to return to the **History** list.
6. Press ESC again to return to the **Scanned Words** menu.
7. Press ESC again to return to the **Main Menu**.

The **History** list can store up to 80 words. Once the list is full, the oldest word is deleted from the list to make room for the most recent one.

Adjacent Entries
This option displays a list of all headwords in the current dictionary, placing you on the last word you defined or the last History word you selected. If you haven't defined a word or selected a History word during the current session, it places you on the first word in the dictionary. You can then scroll through the list to find a different word in order to view its definition.

1. Select **Scanned Words** and then select **Adjacent Entries**.

2. Scroll up or down to the word you want. Long-press to scroll through the list more quickly.
3. Press (ENT). The word appears in the **Large-Type Screen**.
4. From the **Large-Type Screen**, press (▼) to view the definitions for the word.
5. Press (ESC) to return to the **Adjacent Entries** list.
6. Press (ESC) to return to the **Scanned Words** menu.

Reset History
Select this option to erase all entries from the History list.

Guides & Glossaries

This menu contains options that display the Guides provided with the Duden dictionary:

Pronunciation Guide
This option displays and explains the phonetic presentation used in the current dictionary.

Abbreviations Guide
This option displays a list of abbreviations used in the current dictionary. It also indicates what each abbreviation in the list stands for.

Options

Use the **Options** menu to adjust dictionary features on your Pen. You can change more than one option at a time. Once you have changed the options, press ESC to return to the **Main Menu**. The options are:

Auto Speak
When **Auto Speak** is selected, the Pen automatically pronounces the word you select or highlight. To toggle **Auto Speak** on or off, press ENT, ◄ or ►. The check sign ✓ at the left side of the option means the option is activated.

Speak by Section
When **Speak by Section** is selected, the Pen reads the current section of a word's definition when you long-press ENT, while in highlight mode of the **Dictionary Screen**. To toggle **Speak by Section** on or off, press ENT, ◄ or ►. The check sign ✓ at the left side of the option means the option is activated.

Highlight Spoken Words
When **Highlight Spoken Words** option is on, the words are highlighted as they are spoken and the screen progresses to display the highlighted word. This is possible both in the **Word Selection Screen** when reading out the scanned line (see page 18) and in the **Dictionary Screen** when speaking out a section (see page 22).

Reduced Display
This option determines whether display elements in the current dictionary, such as Usage examples, appear with the definitions in the **Dictionary**

Screen. When **Reduced Display** is selected, the following display elements are hidden:

1. Inflected forms
2. Usage examples
3. Etymology
4. Alternative spelling
5. Pronunciations (i.e., Phonetics)

To toggle the **Reduced Display** mode on or off, press ENT, ◀ or ▶. The check sign ✓ at the left side of the option means the option is activated.

Alternatively, in the **Dictionary Screen**, press ▶ or ◀ to toggle the display of the current definition between reduced and full. In the **Dictionary Screen**, a solid black arrow means the definition is currently in full display, whereas the hollow black arrow means the definition is currently in reduced display.

Inverse
Select this option if you are scanning inverse text (light-colored text on a dark background). To toggle **Inverse** on or off, press ENT, ◀ or ▶. The check sign ✓ at the left side of the option means the option is activated.

When the **Inverse** option is selected, the A icon appears in the top right corner of the **Input Screen** and the red light in the tip of the Pen blinks rapidly.

Line Display First
If this option is on (i.e., checked) when scanning more than one word, the words you scan are displayed in the top line of the **Word Selection Screen**.

Note: the default setting for this option is ON.

Line(s) Per Scroll
This option determines how many lines are scrolled at a time in the **Definition** and **Dictionary Screen**. To change the number of lines per scroll, press ENT, ◀ or ▶. The Pen can scroll one, two or three lines at a time.

Enable Edit Mode
When this option is on, it is possible to toggle the Pen between Insert Mode and Edit Mode (see page 46). When the option is off, Edit mode is not available and the Pen is in **Scan Only Mode** (see page 46).

Lock Dictionary Access
This option allows locking or unlocking the access to the dictionary definitions. This may be desirable when wanting to use the Pen during exams.

When the dictionary option is locked, the Pen will not allow entering dictionary definitions, but will allow scanning text, pronouncing the scanned words, and viewing the scanned words in large type.

To lock the dictionary access:

1. Select the **Lock Dictionary Access** option from the **Options** menu.
2. Set a 4-digit password: using ▲ and ▼ will scroll through numbers 0-9, and using ◄ and ► will scroll between the digit positions.
3. Press ENT.
4. Save aside the password which is displayed on the screen (for future use) and press ENT.
5. Your dictionary is now unlocked. A little key icon appearing at the top right corner of the display (when not in a menu) denotes that the dictionary is locked.

To unlock the dictionary access:

1. Select the **Unlock Dict. Access** option from the **Options** menu.
2. Set your password using the arrow keys and press ENT.
3. Your dictionary is now unlocked.

If you forgot your password:

If you locked the dictionary access and forgot the password with which to unlock it, please select the **Forgot your Password?** option and send the Recovery Code that appears on the screen to our support team (see contact information on page 2). They will give you your forgotten password.

Preferences

The Pen contains default settings for the Preferences. You can change these default

settings by selecting **Preferences** from the **Main Menu**. **Preferences** contains the following options:

Voice Settings

The **Voice Settings** menu contains options for controlling the way words are pronounced by the Pen:

Volume

Use this option to adjust the volume level of the speaker.

1. Select **Volume**. The adjustment bar appears.
2. Adjust the volume level to the setting you want, using ▲ or ▼.
3. Press ENT.

Pitch

Use this option to adjust the pitch of the speaker.

1. Select **Pitch**.
2. Scroll to the pitch you want, using ▲ or ▼. The higher the number, the higher the pitch.
3. Press ENT.

Reading Speed

This option enables you to adjust the speed at which words are pronounced.

1. Select **Reading Speed**.

2. Scroll to the reading speed you want, using ▲ or ▼. The higher the number, the faster the speed.
3. Press ENT.

Right-/Left-Handed

Use this option to switch between right- and left-handed modes. Switching between these modes rotates the text on the display 180º.

1. Select **Right-/Left-Handed**.
2. Scroll to the mode you prefer, using ▲ or ▼.
3. Press ENT.

Auto Shut-Off Time

The Pen automatically shuts off after 2 minutes if you do not scan or press any key. Use this option to change the automatic shut-off time.

1. Select **Auto Shut-Off Time**.
2. Change the automatic shut-off time, using ▲ or ▼.
3. Press ENT.

Menu Type

Use this option to define whether the menus appear as **Text Only**, **Icons Only**, or **Text and Icons**.

1. Select **Menu Type**.
2. Scroll to the menu type you prefer, using ▲ or ▼.
3. Press ENT.

Long-Press Interval

With a long press (see page 9) you can perform additional commands. For example, a long press on ENT pronounces a highlighted word in the definition displayed in the **Dictionary Screen**. Use this option to adjust the amount of time you need to keep a button pressed for a long press.

- Select **Long-Press Interval**; the adjustment bar appears.
- Move the slider to the setting you want, using ◄ or ►.
- Test the setting by pressing and briefly holding down ▼. If the screen flashes, the setting is fine. If the screen does not flash, either adjust the setting to a faster speed or press longer.

Double-Click Interval

Use this option to adjust the amount of time between the two clicks of the double-click.

1. Select **Double-Click Interval**; the adjustment bar appears.
2. Move the slider to the setting you want, using ◄ or ►.
3. Test the setting by double-clicking ▼. If the display flashes, the setting is fine. If the display does not flash, either adjust the setting to a slower speed, or double-click faster.

Interface Language

The interface language is the language in which the menus and messages appear. Use this option

to change the Pen's interface language, if additional interface languages have been added to your Pen (only if the Pen has been upgraded).

1. Select Interface Language.
2. Scroll to the language you want and press ENT.

Communications Settings

This option appears in the **Preferences** menu (only if your Pen has been upgraded).

Contrast

Use this option to adjust the brightness of the display.

1. Select **Contrast**; the adjustment bar appears.
2. Adjust the contrast, using ◄ or ►. The higher the number, the darker the display. Press ENT.

Information

Information contains the following options:

Battery Status

Select this option to check how much power is left in the batteries. A diagram displays the power level.

Memory Status

This option appears in the **Information** menu (only if your Pen has been upgraded).

Compact Memory

This option appears in the **Information** menu (only if your Pen has been upgraded).

Serial Number

Select this option to view the serial number of the Pen.

About

The **About** option displays information about the Pen, the Duden dictionary and the text-to-speech software.

Advanced Features

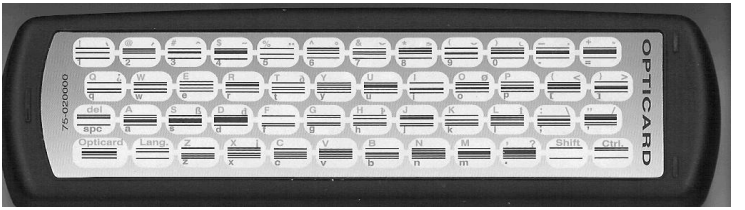
The Pen contains three advanced features that enable you to edit the text you have scanned and to enter text manually. These features are:

- The Opticard
- The Editor
- The Character Bar

Each of these features is described in detail in this section.

The Opticard

Some words and phrases can't be scanned because the letters are too large, are handwritten, or are on a background that the Pen can't scan. An Opticard is located on the back of the Pen's case. It enables you to enter these words or phrases manually by scanning in letters one at a time using the bar codes (each key is a bar code).



To use the Opticard:

1. Hold the Pen case horizontally, with the Opticard title on the right. Slowly scan the **Opticard** key in the bottom left corner of the Opticard to activate the **Opticard** mode. When the **Opticard** mode is activated, the light at the tip of the Pen blinks more rapidly than before.
2. To enter a letter in lower case, scan (or gently touch with the Pen tip on) the bar code for the corresponding key. The letter appears in the display.
    - To enter an upper-case character (situated left, above the bar code), scan **Shift,** then the letter.
    - Scan **Shift** twice to activate/deactivate CAPS LOCK. Activating CAPS LOCK enables you to enter letters in upper case only.

- To enter a controlled character (situated right, above the bar code), scan **Ctrl,** then the letter. Controlled characters can be entered only for the active character set.
- To enter a controlled character in upper case, scan **Ctrl**, then **Shift** (or **Shift,** then **Ctrl**), then the letter.

3. To enter a space, place the cursor in front of the letter that will follow the space (using ◄ or ►), then scan the **spc** key.
4. To delete the previous character, scan **Shift,** then the **del** key.
5. Continue scanning or touching the bar code keys as required, until you have created the desired word.
6. To define the word you have entered, scroll to **GO** and press ENT. The first word of the text appears in large type. You are back in normal scanning mode.

The Editor

The Pen contains two basic input modes: scan only and edit.

Scan Only Mode
When the Pen is in scan only mode, the **Input Screen** is displayed with the input field highlighted. You can scan in text, but cannot edit it.

To edit text, you must activate edit mode:

1. Make sure the **Enable Edit Mode** option from the **Options** menu is checked.

2. In the **Input Screen**, press (ENT) to enter edit mode. The text is de-highlighted.

Edit Mode
When the Pen is in edit mode, the **Input Screen** appears, but the text you have scanned is displayed as regular text - not highlighted.

Editing Text
Once you are in edit mode, you can edit the text, using the **Edit Menu**, the **Character Bar** or **Opticard**.

- To access the **Edit Menu** for the editing commands, press (ESC).
  Note: the Pen must be in edit mode in order to access the Edit Menu.
- To access the **Character Bar**, press (ENT). The **Character Bar** enables entering text manually, overwriting or inserting characters.

When editing, you can use the Pen's double-click feature to jump to the edge of the scanned text in the input field. Double-click (◄) to jump to the beginning of the text or (►) to jump to the end.

Adding to Scanned Text
You can scan in additional text while in edit mode, retaining the original text while inserting the new text at the cursor location:

1. If the input cursor isn't located at the point where you want to insert the new text, use (◄) or (►) to scroll to the desired input location.
2. Scan in the new text in the same manner as the original text.

Note: the Pen allows you to scan in a maximum of 200 characters.

When you scan in text while in edit mode, the new text is highlighted.

- Press ENT to erase the highlighted text (i.e., so that you can rescan it).
- Press any other key to de-highlight the text and scroll in the direction of the arrow.
- Select **GO** to go to the definition of the text.
- Select **CLEAR** to delete all text in the input field.

Scanning Hyphenated Words

Use edit mode to scan in hyphenated words appearing at the end of one line and the beginning of the next, such as in the sample sentence below:

> Scan hyphenated words with-
> out the slightest hitch.

1. Press ENT to activate edit mode.
2. Scan the first line.
3. With the text you have just scanned still highlighted, scan the second line. The two parts of the hyphenated word are automatically connected (the `with-` you had previously scanned and the `out` you have just scanned appear now as one word, `without`).
4. Select **GO**. The first word of the text appears in large type.

Editing Commands
Press (ESC) while in edit mode to display the **Edit Menu**. The menu contains the following commands:

Resume Editing
Select this command to exit the **Edit Menu** and return to the entry in edit mode to resume editing or scanning.

To exit the **Edit Menu** press (ESC) again. The Pen returns to scanning mode.

Activate Overwrite Mode
Selecting this command toggles the Pen to overwrite mode, so that you can overwrite existing text, using the **Character Bar** or **Opticard**. The **Activate Overwrite Mode** option changes to **Activate Insert Mode**, when selected.

When in insert mode, a blinking cursor appears between two characters. If you add a character or characters by scanning, or by using the **Character Bar** or **Opticard**, they are inserted at the cursor location.

When in overwrite mode, the current character is highlighted. Adding characters by scanning, or by using the **Character Bar** or **Opticard**, overwrites the text starting at the highlighted character.

Clear Text
Select **Clear Text** to delete the text from the **Input Screen**. The Pen returns to the **Input Screen**, in edit mode.

The Character Bar

The **Character Bar** enables you to enter new text manually, or to overwrite or insert characters within the scanned text. The **Character Bar** can be activated only if the **Enable Edit Mode** is on (see page 38). To activate it, press ENT in the **Input Screen**.

The **Character Bar** operates in either insert mode or overwrite mode, according to the setting in the **Edit Menu** (see page 49).

The Character Bar

The **Character Bar** contains the alphabet (in lower case), as well as the following buttons:

Punctuation
If you scroll to the Punctuation button and press ENT, it becomes the active sequence, and a series of punctuation marks is displayed.

Numbers
If you scroll to the Numbers button and press ENT, it becomes the active sequence, and numbers 0-9 are displayed.

Alphabet
If you scroll to the Numbers or Punctuation button and press ENT, it becomes the active

sequence and is replaced by the Alphabet button (displayed in Latin characters or the relevant character set). To reselect the alphabet as the active sequence, scroll to the Alphabet button and press ENT.

Multiple Characters
When the Multiple Characters button appears, you can enter more than one character at a time. This is the default mode.

Single Character
If you scroll to the Multiple Characters button and press ENT, it toggles to the Single Character button; you can enter only one character at a time, using the Character Bar.

Delete
The Delete button enables you to delete characters (see page 53 for instructions).

Note: if you are in insert mode and the input field contains the maximum 200 characters, the highlight jumps immediately to the Delete button, when you access the Character Bar. It won't move from the Delete button until you delete a character from the field. If you delete all characters in the field, the Character Bar disappears automatically.

In addition, the end of the alphabet sequence contains the following symbol:

Insert Space
If you scroll to the Insert Space symbol and

press (ENT), it enters a space in the text or overwrites a character with a space.

Using the Character Bar

To enter multiple characters:

1. Press (ESC) until you return to the **Input Screen**.
2. Press (ENT) to activate edit mode.
3. Scroll to the location in the field where you want to insert or overwrite a character.
4. Press (ENT) to access the Character Bar.
5. Scroll to the first character you need and press (ENT).
6. Repeat Step 4 for each additional character you need.

To enter one character at a time:

1. Press (ESC) until you return to the **Input Screen**.
2. Press (ENT) to activate edit mode
3. Scroll the cursor to the location in the field, where you want to enter a character.
4. Press (ENT) to access the Character Bar.
5. Scroll to the Multiple Characters button and press (ENT). The Character Bar toggles to single character mode. It remains in this mode until you scroll to the Single Character button; press (ENT) to reactivate the Multiple Characters button.
6. Scroll to the required character in the Character Bar.
7. Press (ENT). The new character is entered at the cursor location.

To enter a variation of a character (e.g. in upper case or with an accent added):

1. Scroll to the letter in the Character Bar.
2. Press ▲ or ▼. The Character Bar is replaced by a list of variations for the selected letter. Pressing ▲ places the highlight on the upper case variation (see below); pressing ▼ places the highlight on the lower-case variation.

3. Scroll to the variation you want, using ◄ or ►.
4. Press ENT.

Note: to toggle out of the sequence for the selected letter without making a selection, press ▲ or ▼ again.

To delete a character or characters:

1. Scroll to the character you want to delete. If in insert mode, the cursor is positioned before the character. If in overwrite mode, the character is highlighted.
2. Press ENT to access the Character Bar.
3. Make sure you are in multiple characters mode if you want to delete more than one character.
4. Scroll to the Delete button and press ENT.
5. If you are deleting more than one character, press ENT for each character in the sequence that you want to delete.

Additional Information

Care and Cleaning

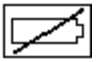
Your Pen conforms to the highest standards of craftsmanship and manufacture. To ensure its continued excellent performance, please adhere to the following instructions for care and cleaning:

- Protect the Pen from direct sunlight, heat, dampness and dust. Do not drop or knock the device; keep it in its protective plastic case to avoid scratches. **ALWAYS** replace the tip's protective cover when not in use.
- Clean the Pen only with a soft, dry cloth. Never use a wet cloth or solvents such as benzene or diluting agents.
- **NEVER** clean, wipe or tamper with the Pen's tip. It contains a sensitive electronic eye that could become damaged.
- Should your Pen require servicing, contact the retail outlet where you purchased your unit.

Batteries

The Pen uses two AAA batteries. To check the batteries, select **Battery Status** from the **Information** menu in the **Main Menu**.

If the batteries are low, the following picture of a battery with a slash through it appears on the Pen's display:



When the batteries are about to run out, the Pen shuts down automatically.

When replacing batteries, use only high-quality, alkaline batteries.

Technical Data

Processor	ARM 7 TDMI
RAM memory	64 to 192KB
ROM memory	8MB minimum
Socket for flash memory cards	2MB/4MB/8MB (upgradeable)
Serial communications	IrDA and RS232
Optic head	128 pixels linear array image sensor
	400 DPI resolution
Display dimensions	61mm x 20mm/2.4” x .8”
	122 x 32 pixel resolution
Supply voltage	Two 1.5v AAA batteries
Weight	90 grams/3 oz. (not including batteries and/or flash memory card)
Size	Length (with cover): 163 mm/6.4”

	Width: 38 mm/1.5”
	Height: 23 mm/1”

- Low power consumption
- Compliant to FCC class B
- Compliant to CE standards
- UL listed

Troubleshooting

Problem:

The Pen doesn’t scan.

Solutions:

- Check to see whether the Pen is turned on, that is in scanning mode and that the protective cover has been removed from the Pen tip.
- Check whether you are scanning regular text in inverse text mode or inverse text in regular text mode.
- If you had previously used the **Opticard**, make sure you have switched out of **Opticard** mode prior to returning to normal scanning.

Problem:

An error message, “**Word not found**” appears every time you scan.

Solution:

Verify that you are scanning English text.

Problem:

The text in the display appears upside down.

Solution:

Adjust the **right-** or **left-handed** mode.

Problem:

The words you want to scan are in a format too large or small to scan, or the text is printed unclearly.

Solution:

Use the Opticard.

Problem:

An error message, “**Excessive lighting**” appears on the display.

Solution:

Move the Pen away from the strong light source (such as sun, lamp, etc.) shining directly on the tip.

Problem:

An error message, “**Scanned too fast**” appears on the display.

Solution:

Scan more slowly.

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